Attachment to Interview Summarv

+ proposed claim amendments

DO NOT ENTER
/O.S./
06/24/09

Application No: 10/639,677 Attorney's Docket No: ALC 3414

CLAIM AMENDMENTS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) An apparatus that establishes services that utilize policy-

enabled resources in a communications network, comprising:

a first policy enforcement point (PEP) residing on a network element of the communications network that identifies performs identification of policy-enabled resources that are available and allocates requested policy-enabled resources to

services;

the first

a first network resource controller (NRC) within [an domain on the communications network that makes requests, from available policy-enabled

resources, of any policy-enabled resources within [fi] first domain required to establish a particular service, the requests from the available policy-enabled

recourses being separate from the identification of the policy enabled recourses; and
within the first domain

a first resource policy layer (RPL) that establishes provisions, to a the

particular service being established, and provisions the policy enabled resources

allocated to that the particular service, said first resource policy layer including a

first policy description protocol decision point (PDP), wherein:

wherein policy management is separated from the management of policy enabled resources, and 2.

Application No: 10/639,677 Attorney's Docket No: ALC 3414

a direct contact said first NRC acts as a trusted entity that initiates an association between said first PEP and said first PDP. 18 said first PDP provides said first PEP with a policy upon contact establishment of said association between said first PEP and first PDP, and when said first NRC requires resources from a second domain outside the first domain, said first NRC signals a request to a second NRC in said a direct contact second domain, which acts as the trusted entity that initiates an association between a second PEP in said second domain and said first PDP, said first 23 PDP providing said second PEP with a policy the policies upon establishment contact of said association between said second PEP and said first PDP, whereby 25 there is a decoupling of policy management from the management of policy-26 enabled resources. 27 Currently Amended Presented) The apparatus as defined in claim 1, wherein said first PEP comprises a plurality of virtual PEPs, each virtual PEP being associated with 3 Italia respective service. 3-5. (Canceled)

apparatus further comprises:

(Currently Amended) The apparatus as defined in claim 1, wherein the

a second RPL associated with a-the second domain comprising 4 [[PEP]] PDP.

(Canceled) 7

- (Previously Presented) The apparatus as defined in claim 1, wherein resource
- capability information descriptors are used for resource discovery and policy
- provisioning.

12

- (Currently Amended) A method of establishing services that utilize policy-
- enabled resources in a communications network, comprising:
- identifying, at a first policy enforcement point (PEP), policy-enabled
- resources within a first domain that are available and allocating requested policy-
- enabled resources to services; 5
- requesting, from available policy-enabled resources at a first network within the first domain,
- resource controller (NRC) Vany policy-enabled resources required to establish a
- particular service, the requesting step being separate from the identifying step

establishing the particular service with a first resource policy layer (RPL). First domain

with the first resource policy layer and 10

provisioning to a the established service being established at a first resource

policy layer (RPL), the policy-enabled resources allocated to that the established

service, said first resource policy layer including at least one a first policy wherein policy management is separated from the management of policy enobled resources description protocol-decision point (PDP), wherein: said first NRC acts as a trusted entity that initiates an association between 18 said first PEP and said first PDP. 16 said first PDP provides said first PEP with a policy policies upon 18 establishment of said acceptation between said first PEP and said first PDP, and when said first NRC requires resources from a second domain outside the first domain, said first NRC signals a request to a second NRC in said second 20 a direct contact domain, which acts as the trusted entity that initiates an association between a 21 second PEP in said second domain and said first PDP, said first PDP providing said 22 second PEP with a policy the policies upon establishment of said association 23 between said second PEP and said first PDP, whereby there is a decoupling of policy 24 management from the management of policy enabled resources. 25

10. (Canceled)

- 11. (Currently Amended) The method as defined in claim 9, wherein virtual
- 2 PEPs of a main the first PEP are provisioned to provide resource services.
- 12. (Previously Presented) The method as defined in claim 11, wherein the
- virtual PEPs are provisioned to provide services in said second domain.

- (Previously Presented) The method as defined in claim 12, wherein said first
- PEP and said second PEP are provisioned with the same service by said first PDP.
- 1 14-16. (Canceled)

2

- * 17. (Currently Amended) The apparatus as defined in claim 1, wherein the first
 - PEP and the second PEP are virtual PEPs created upon request for saidfan
 - particular service by one of the first NRC and the second NRC.
- * 1 18. (Currently Amended) The method as defined in claim 9, wherein the first
 - 2 PEP and the second PEP are virtual PEPs created upon request for said [2]
 - particular service by one of the first NRC and the second NRC.

Canceled

- * 19. (Currently Amended) An apparatus that establishes services that utilize
 - 2 policy-enabled resources in a communications network, comprising:
 - a first network resource controller (NRC) within a domain on the
 - 4 communications network, said first NRC requesting, from available policy-enabled
 - resources, any policy-enabled resources required to establish a particular service:
 - a virtual first policy enforcement point (PEP) residing on a network element
 - of the communications network that is created upon requesting the particular

- service, said virtual PEP identifying policy-enabled resources that are available and
- allocating requested policy-enabled resources to the particular service;
- a resource policy layer (RPL) that establishes the particular service and
 - includes including a policy-description protocol decision point (PDP), wherein the
- virtual PEP is provided with information to contact the PDP of the RPL in order to
- 3 provision the policy-enabled resources allocated to the particular service.

Canceled

- 1 20. (Currently-Amended) A method of establishing services that utilize policy
 - enabled resources in a communications network, comprising:
 - 3 requesting, from available policy-enabled resources at a first network
 - resource controller (NRC), any policy-enabled resources required to establish a
 - 5 particular service;
 - creating a virtual first policy enforcement point (PEP) upon requesting the
 - particular service;
 - s identifying, at the virtual PEP, policy-enabled resources that are available
 - and allocating requested policy-enabled resources to the particular service;
 - providing the virtual PEP with information to contact a policy description
 - protocol-decision point (PDP) of a resource policy layer (RPL);
 - establishing the particular service with a first resource policy layer (RPL);
 - and

Application No: 10/639,677 Attorney's Docket No: ALC 3414

provisioning, to the particular established service being established at the
resource policy-layer (RPL), the policy-enabled resources allocated to the particular

service.